# The Trail Inventory of Wheeler NWR

Decatur, AL





Prepared By: Federal Highway Administration Central Federal Lands Highway Division May, 2013



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#### NOTE TO USERS OR READERS

In this report, the reader may find a mix of dates associated with the condition assessment and photographs. Chapter 4 shows an updated condition assessment for each trail documented in this report. However there may be dates on the condition assessment pages that range from 2006 and 2007 to 2012. This occurred because the GPS dates of the trails originally rated in Cycle 1 were not updated when the cycle 3 assessment was done to in

2012. That GPS date is the basis for the Rating date in the report. Any new trail or section of trail that was collected and rated in Cycle 3 will have a rating date of 2012. While the rating dates may show a pre 2012 date, each trail was walked and its condition was assessed in 2012 during the Cycle 3 field season.

In Chapter 6 the reader may notice photographs with dates ranging from 2006 and 2007 to 2012. This occurs because the existing photographs from Cycle 1 were used if no significant or noticeable changes were seen in that location at the time of the Cycle 3 site visit.

The reader may also notice some of the feature photographs are used more than once. The practice of the same photograph being used for more than one feature was allowed during this cycle's data collection.

#### **Wheeler NWR**

#### **Trail and Trail Feature Summaries**

Trail Miles and Percentages by Surface Type and Condition

Trail Surface	Excel	lent	Total	
Туре	Miles	%	Miles	
Gravel	3.12	100%	3.12	
Asphalt	0.02	100%	0.02	
Boardwalk	0.40	100%	0.40	
Total	3.54	100%	3.54	

Trail Miles and Percentages by Trail Classification and Condition

Trail	Excellent	Total
Classification	Miles %	Miles
тсз	3.12 100%	3.12
TC5	0.42 100%	0.42
Total	3.54 100%	3.54

<sup>\*</sup>Admin Roads are included in the inventory but are not rated for condition.

#### **Trail Features**

Trail	Feature Type	Quantity	Grouped	Milepost	Photo
Number			Feature		
T300	Trailhead	1	No	0.00	WHEE_C3_00 16
T300	Sign	1	No	0.00	WHEE_C3_00 17
T300	Sign	1	No	0.01	WHEE_C3_00 18
T300	Culvert -If	12	No	0.03	
T300	Sign	9	Yes	0.05	WHEE_C3_07 07
T300	Bridge -sf	315	No	0.51	WHEE_C3_00 19
T300	Political Boundary	1	No	1.18	
T301	Trailhead	1	No	0.00	WHEE_C3_00 22
T301	Sign	1	No	0.00	WHEE_C3_00 23
T301	Sign	1	No	0.00	WHEE_C3_07 11
T301	Sign	1	No	0.02	WHEE_C3_00 24
T301	Culvert -If	10	No	0.03	
T301	Sign	1	No	0.23	WHEE_C3_07 12
T301	Sign	1	No	0.23	WHEE_C3_00 25
T301	Begin Section	1	No	0.23	WHEE_C3_00 26
T301	Lookout/Ob Deck	1	No	0.49	
T500	Culvert -lf	10	No	0.00	
T500	Trailhead	1	No	0.00	WHEE_C3_00 01
T500	Sign	1	No	0.02	WHEE_C3_06 97
T500	Begin Section	1	No	0.02	WHEE_C3_00 03
T500	Sign	1	No	0.02	WHEE_C3_00 02
T500	Begin Section	1	No	0.10	WHEE_C3_07 06
T500	Sign	1	No	0.10	WHEE_C3_06 98
T500	Boardwalk -lf	85	No	0.18	WHEE_C3_00 04
T500	Culvert -If	8	No	0.21	

T500	Begin Section	1	No	0.23	WHEE_C3_00 05
T500	Begin Section	1	No	0.27	
T500	Sign	26	Yes	0.28	WHEE_C3_06 99
T500	Bench	1	No	0.37	
T500	Bench	1	No	0.71	
T501	Sign	1	No	0.00	WHEE_C3_00 07
T501	Trailhead	1	No	0.00	WHEE_C3_00 08
T501	Sign	9	Yes	0.01	WHEE_C3_07 00
T501	Begin Section	1	No	0.01	WHEE_C3_00 10
T501	Begin Section	1	No	0.07	
T501	Bridge -sf	243	No	0.10	WHEE_C3_00 11
T501	Sign	9	Yes	0.12	WHEE_C3_07 01
T501	Bench	1	No	0.25	
T501	Culvert -lf	9	No	0.35	
T502	Sign	1	No	0.00	WHEE_C3_00 12
T502	Trailhead	1	No	0.00	WHEE_C3_00 13
T502	Sign	4	Yes	0.01	WHEE_C3_07 03
T502	Bench	1	No	0.01	
T502	Sign	5	Yes	0.02	WHEE_C3_07 04
T502	Sign	1	No	0.02	WHEE_C3_00 14
T502	Bench	1	No	0.04	
T502	Bridge -sf	91	No	0.06	WHEE_C3_00 15
T502	Culvert -If	10	No	0.07	
T502	Sign	1	No	0.08	WHEE_C3_07 05
T502	Other	1	No	0.11	

sf - square feet

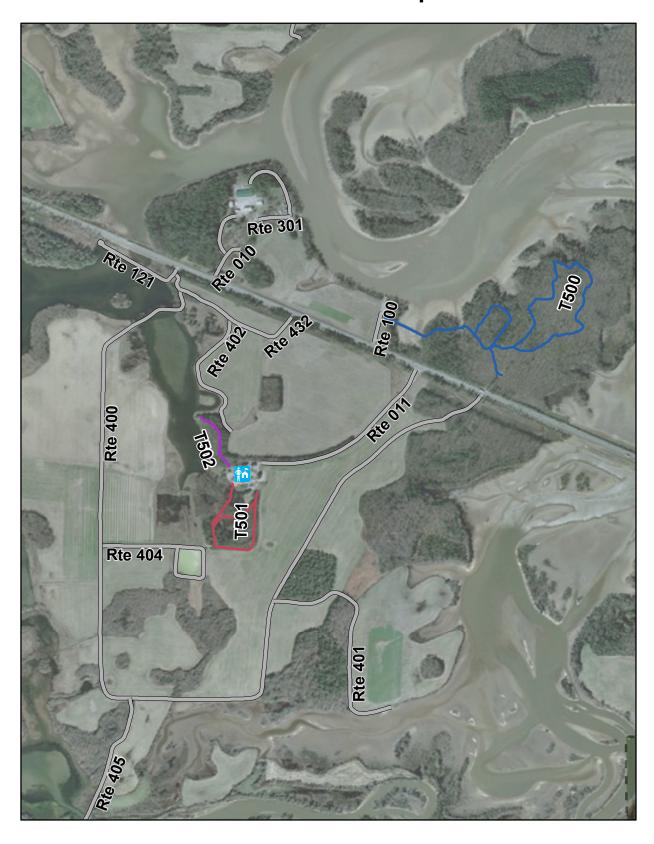
If - linear feet

cf - cubic feet

## Wheeler NWR Trail Location Map

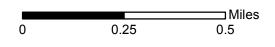


### Wheeler NWR Trail Location Map









#### Trails ID

Station Name: Wheeler NWR Org Code: 43660

Trail Number	Trail Name	Surface Type	SAMMS	Trail Mileage	Trail Description (Begin and End point of trail)
T300	Dancy Bottoms Nature Trail	Gravel	10019440	1.18	From Dancy Bottoms Parking (Rte 904) to Bean Place Road (Rte 101)
T301	Beaver Dam Boardwalk Trail	Boardwalk	10019444	0.26	From Old HWY 20 Parking lot to Observation Platform
T301	Beaver Dam Boardwalk Trail	Gravel	10019444	0.23	From Old HWY 20 Parking lot to Observation Platform
T500	Flint Creek Trail	Asphalt	10019442	0.02	From Handicapped Fishing (Rte 901) to end of loop
T500	Flint Creek Trail	Boardwalk	10019442	0.08	From Handicapped Fishing (Rte 901) to end of loop
T500	Flint Creek Trail	Gravel	10019442	1.20	From Handicapped Fishing (Rte 901) to end of loop
T501	Atkeson Cypress Trail	Boardwalk	10019441	0.06	From Visitor Center Parking (Rte 902) to End of Loop
T501	Atkeson Cypress Trail	Gravel	10019441	0.40	From Visitor Center Parking (Rte 902) to End of Loop
T502	Wildlife Observation Building Trail	Gravel	10019446	0.11	From Visitor Center Parking (Rte 902) to Wildlife Observation Building

#### CHANGES TO THE FISH AND WILDLIFE SERVICE TRAIL INVENTORY REPORT

#### Wheeler NWR

	Trails added to previous inventory:						
Trail #	Trail Name	Reason for Addition					
	Trails	removed from previous inve	entory:				
Trail #	Trail Name	Reason for Removal					
	Trails	modified from previous investigation	entory:				
Trail #	Trail Name	Type of Modification	Description of Modification				
T301	Beaver Dam Boardwalk Trail	Name change	to Beaver Dam Boardwalk				
T502	Wildlife Observation Building Trail	Name change	to Wildlife Observation Building				
Commen	its:						



**Trail Name:** Dancy Bottoms Nature Trail Refuge Name: Wheeler NWR **Trail Number:** T300 Region: 4

Section Number 001 Section Length (miles) 1.18 10019440 SAMMS Number 06/26/2006 Rating Date Trail Section Information TC3 Trail Class Gravel Surface Type Surface Firmness Firm Width (inches) 48 Average Grade (%) Average X-slope (%) Trail Condition Information \$731 **Deferred Maintenance** \$102,280 CRV 0.00 FCI Excellent Condition

#### **Trail Condition TOTALS**

Deferred Maintenance	CRV	FCI	Condition
\$731	\$102,280	0.00	Excellent

Total Length: 1.18 Miles





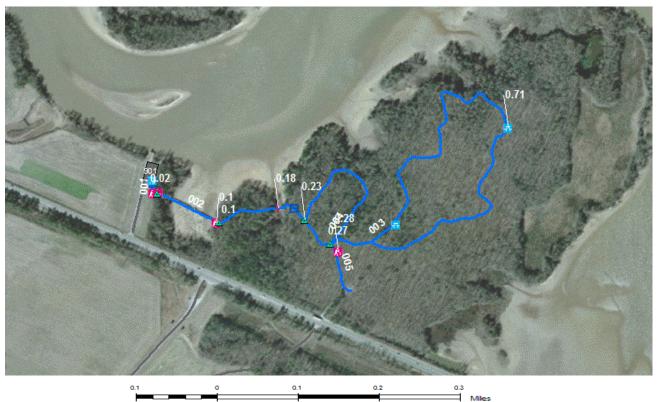
**Trail Name:** Beaver Dam Boardwalk Trail Refuge Name: Wheeler NWR

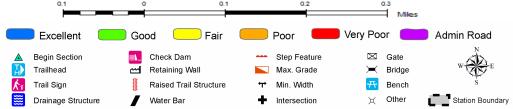
**Trail Number:** T301 Region: 4 Total Length: **0.49 Miles** 

Section Number Section Length (miles) SAMMS Number Rating Date	001 0.23 10019444 06/26/2006	002 0.26 10019444 06/26/2006
Trail Section Information		
Trail Class	TC3	TC5
Surface Type	Gravel	Boardwalk
Surface Firmness	Hard	Hard
Width (inches)	60	60
Average Grade (%)		
Average X-slope (%)		
Trail Condition Information		
Deferred Maintenance	\$161	\$1,535
CRV	\$24,919	\$139,610
FCI	0.01	0.01
Condition	Excellent	Excellent

#### **Trail Condition TOTALS**

Deferred Maintenance	CRV	FCI	Condition
\$1,696	\$164,530	0.01	





Trail Name:Flint Creek TrailRefuge Name:Wheeler NWRTrail Number:T500Region: 4Total Length:1.30 Miles

Section Number	001	002	003	004	005
Section Length (miles)	0.02	0.08	0.91	0.22	0.07
SAMMS Number	10019442	10019442	10019442	10019442	10019442
Rating Date	06/26/2006	06/26/2006	06/26/2006	06/26/2006	06/26/2006
Trail Section Information					
Trail Class	TC5	TC5	TC3	TC3	TC3
Surface Type	Asphalt	Boardwalk	Gravel	Gravel	Gravel
Surface Firmness	Paved	Hard	Hard	Hard	Hard
Width (inches)	96	96	96	96	96
Average Grade (%)					
Average X-slope (%)					
Trail Condition Information					
Deferred Maintenance					
CRV	\$4,447	\$68,727	\$157,750	\$38,138	\$12,136
FCI	0.00	0.00	0.00	0.00	0.00
Condition	Excellent	Excellent	Excellent	Excellent	Excellent

#### **Trail Condition TOTALS**

Deferred Maintenance	CRV	FCI	Condition
	\$281,198	0.00	Excellent





**Trail Name:** Atkeson Cypress Trail Refuge Name: Wheeler NWR **Trail Number:** T501 Region: 4

Section Number 001 002 003 Section Length (miles) 0.01 0.06 0.39 10019441 10019441 10019441 SAMMS Number 06/26/2006 06/26/2006 06/26/2006 Rating Date Trail Section Information TC3 TC5 TC3 Trail Class Gravel Boardwalk Gravel Surface Type Surface Firmness Hard Hard Hard Width (inches) 72 72 72 Average Grade (%) Average X-slope (%) **Trail Condition Information Deferred Maintenance** \$1,301 \$38,665 \$50,705 CRV 0.00 0.00 0.00 FCI Excellent Excellent Excellent Condition

#### **Trail Condition TOTALS**

Deferred Maintenance	CRV	FCI	Condition
	\$90,671	0.00	Excellent

Total Length: 0.46 Miles





Trail Name: Wildlife Observation Building Trail Refuge Name: Wheeler NWR

**Trail Number:** T502 Region: 4 Total Length: **0.11 Miles** 

Section Number Section Length (miles)	001 0.11 10019446
SAMMS Number Rating Date	06/26/2006
Trail Section Information  Trail Class Surface Type Surface Firmness Width (inches) Average Grade (%) Average X-slope (%)	TC3 Gravel Hard 72
Trail Condition Information	
Deferred Maintenance CRV FCI Condition	\$14,302 0.00 Excellent

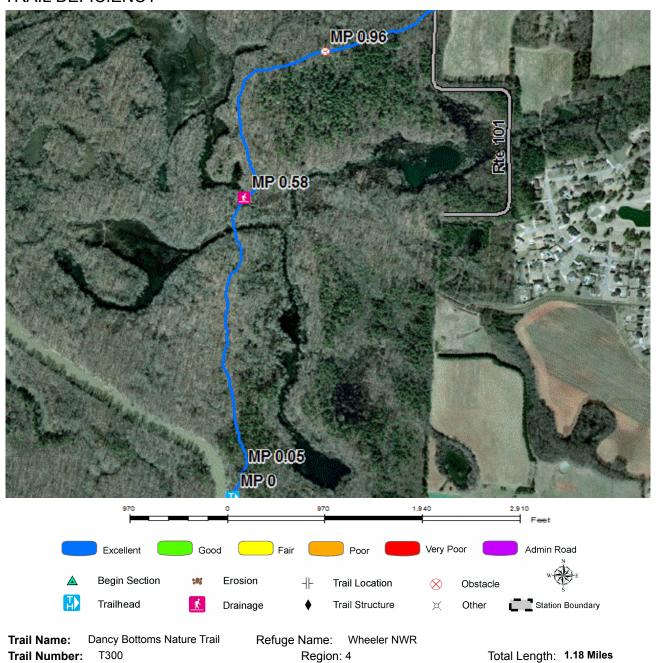
#### **Trail Condition TOTALS**

Deferred Maintenance	CRV	FCI	Condition
	\$14,302	0.00	Excellent

#### **NOTE TO USERS OR READERS**

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#### TRAIL DEFICIENCY



Mile Post	0.05	0.58	0.96
Section Number	001	001	001
Photo Number		WHEE_C2_0020	WHEE_C3_0710
Deficiency	Trail Location	Drainage	Obstacle
Action	Remove	Build/Add	Remove
Item	Trail: Social -If	Puncheon -If	Other
Quantity	400	80	1
Deferred Maintenance	\$0	\$731	\$0

#### TRAIL DEFICIENCY

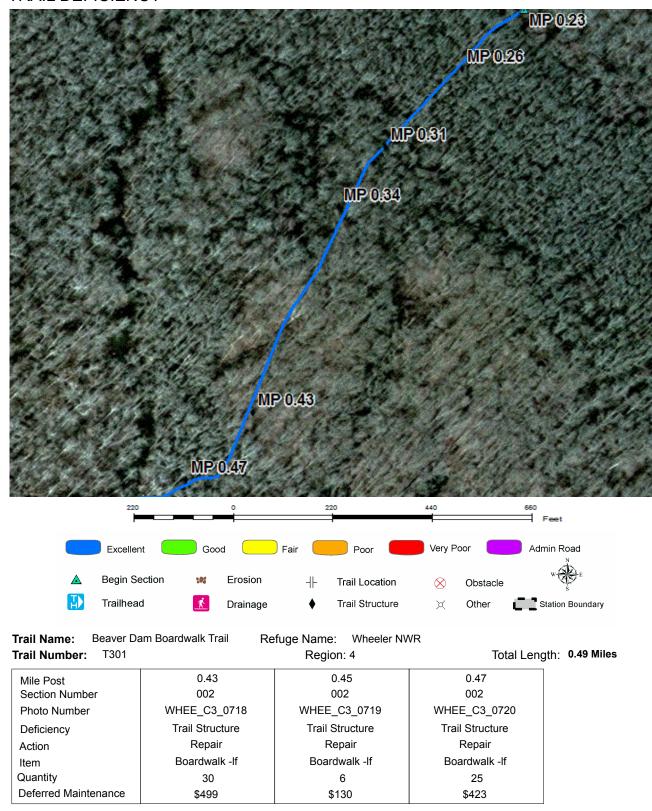


Trail Name: Beaver Dam Boardwalk Trail Refuge Name: Wheeler NWR

Trail Number: T301 Region: 4 Total Length: 0.49 Miles

Mile Post	0.26	0.31	0.34	0.35
Section Number	002	002	002	001
Photo Number	WHEE_C3_0714	WHEE_C3_0715	WHEE_C3_0716	WHEE_C3_0717
Deficiency	Trail Structure	Trail Structure	Trail Structure	Trail Structure
Action	Repair	Repair	Repair	Repair
Item	Boardwalk -If	Boardwalk -If	Boardwalk -If	Boardwalk -If
Quantity	7	9	8	8
Deferred Maintenance	\$146	\$176	\$161	\$161

#### TRAIL DEFICIENCY



TRAIL NUMBER: T300 STATION: Wheeler NWR DATE: 06/26/2006



Photo # WHEE\_C3\_0016 - MP 0.00 - Trailhead

TRAIL NUMBER: T300 STATION: Wheeler NWR DATE: 06/26/2006



Photo # WHEE\_C3\_0017 - MP 0.00 - Sign

TRAIL NUMBER: T300 STATION: Wheeler NWR DATE: 06/26/2006



Photo # WHEE\_C3\_0018 - MP 0.01 - Sign

TRAIL NUMBER: T300 STATION: Wheeler NWR DATE: 06/19/2012



Photo # WHEE\_C3\_0707 - MP 0.05 - Sign

TRAIL NUMBER: T300 STATION: Wheeler NWR DATE: 06/26/2006



Photo # WHEE\_C3\_0019 - MP 0.51 - Bridge -sf

TRAIL NUMBER: T301 STATION: Wheeler NWR DATE: 06/19/2012



Photo # WHEE\_C3\_0711 - MP 0.00 - Sign

TRAIL NUMBER: T301 STATION: Wheeler NWR DATE: 06/26/2006



Photo # WHEE\_C3\_0022 - MP 0.00 - Trailhead

TRAIL NUMBER: T301 STATION: Wheeler NWR DATE: 06/26/2006



Photo # WHEE\_C3\_0023 - MP 0.00 - Sign

TRAIL NUMBER: T301 STATION: Wheeler NWR DATE: 06/26/2006



Photo # WHEE\_C3\_0024 - MP 0.02 - Sign

TRAIL NUMBER: T301 STATION: Wheeler NWR DATE: 06/19/2012



Photo # WHEE\_C3\_0712 - MP 0.23 - Sign

TRAIL NUMBER: T301 STATION: Wheeler NWR DATE: 06/26/2006



Photo # WHEE\_C3\_0025 - MP 0.23 - Sign

TRAIL NUMBER: T301 STATION: Wheeler NWR



Photo # WHEE\_C3\_0026 - MP 0.23 - Begin Section

TRAIL NUMBER: T500 STATION: Wheeler NWR DATE: 06/26/2006



Photo # WHEE\_C3\_0001 - MP 0.00 - Trailhead

TRAIL NUMBER: T500 STATION: Wheeler NWR DATE: 06/19/2012



Photo # WHEE\_C3\_0697 - MP 0.02 - Sign

TRAIL NUMBER: T500 STATION: Wheeler NWR DATE: 06/26/2006



Photo # WHEE\_C3\_0002 - MP 0.02 - Sign

TRAIL NUMBER: T500 STATION: Wheeler NWR DATE: 06/26/2006

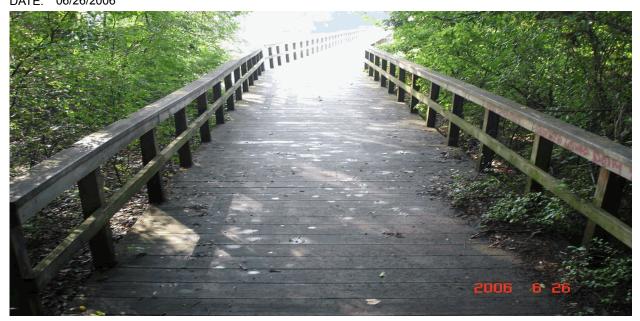


Photo # WHEE\_C3\_0003 - MP 0.02 - Begin Section

TRAIL NUMBER: T500 STATION: Wheeler NWR DATE: 06/19/2012



Photo # WHEE\_C3\_0698 - MP 0.10 - Sign

TRAIL NUMBER: T500 STATION: Wheeler NWR DATE: 06/26/2006



Photo # WHEE\_C3\_0706 - MP 0.10 - Begin Section

TRAIL NUMBER: T500 STATION: Wheeler NWR DATE: 06/26/2006



Photo # WHEE\_C3\_0004 - MP 0.18 - Boardwalk -If

TRAIL NUMBER: T500 STATION: Wheeler NWR DATE: 06/26/2006



Photo # WHEE\_C3\_0005 - MP 0.23 - Begin Section

TRAIL NUMBER: T500 STATION: Wheeler NWR DATE: 06/19/2012



Photo # WHEE\_C3\_0699 - MP 0.28 - Sign

TRAIL NUMBER: T501 STATION: Wheeler NWR DATE: 06/26/2006



Photo # WHEE\_C3\_0008 - MP 0.00 - Trailhead

TRAIL NUMBER: T501 STATION: Wheeler NWR DATE: 06/26/2006



Photo # WHEE\_C3\_0007 - MP 0.00 - Sign

TRAIL NUMBER: T501 STATION: Wheeler NWR DATE: 06/19/2012

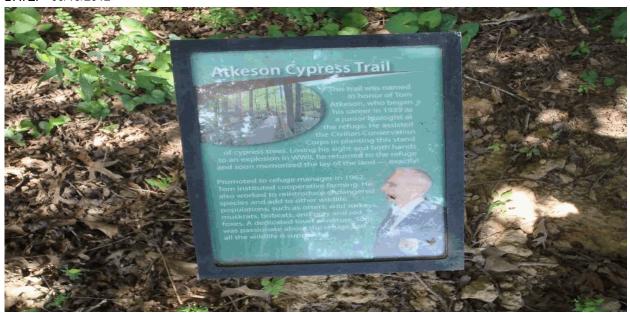


Photo # WHEE\_C3\_0700 - MP 0.01 - Sign

TRAIL NUMBER: T501 STATION: Wheeler NWR DATE: 06/26/2006



Photo # WHEE\_C3\_0010 - MP 0.01 - Begin Section

TRAIL NUMBER: T501 STATION: Wheeler NWR DATE: 06/26/2006



Photo # WHEE\_C3\_0011 - MP 0.10 - Bridge -sf

TRAIL NUMBER: T501 STATION: Wheeler NWR DATE: 06/19/2012



Photo # WHEE\_C3\_0701 - MP 0.12 - Sign

TRAIL NUMBER: T502 STATION: Wheeler NWR DATE: 06/26/2006



Photo # WHEE\_C3\_0012 - MP 0.00 - Sign

TRAIL NUMBER: T502 STATION: Wheeler NWR DATE: 06/26/2006



Photo # WHEE\_C3\_0013 - MP 0.00 - Trailhead

TRAIL NUMBER: T502 STATION: Wheeler NWR DATE: 06/19/2012



Photo # WHEE\_C3\_0703 - MP 0.01 - Sign

TRAIL NUMBER: T502 STATION: Wheeler NWR DATE: 06/19/2012

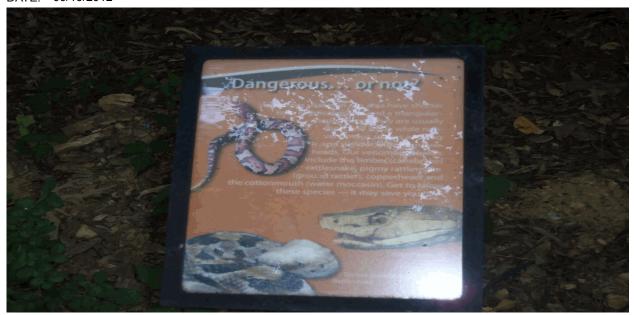


Photo # WHEE\_C3\_0704 - MP 0.02 - Sign

TRAIL NUMBER: T502 STATION: Wheeler NWR DATE: 06/26/2006



Photo # WHEE\_C3\_0014 - MP 0.02 - Sign

TRAIL NUMBER: T502 STATION: Wheeler NWR DATE: 06/26/2006



Photo # WHEE\_C3\_0015 - MP 0.06 - Bridge -sf

TRAIL NUMBER: T502 STATION: Wheeler NWR DATE: 06/19/2012



Photo # WHEE\_C3\_0705 - MP 0.08 - Sign

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The reader may also notice some photographs are used more than once. The practice of the same photograph being used for more than one feature was allowed during this cycle's data collection.

#### **Glossary of Terms and Abbreviations**

Acc Info Accessibility information available at trailhead.

**Action** Action required to correct deficiency.

Admin Road Administration Road. Admin Roads signed and

advertised as trails are included in the trail inventory but

a condition assessment is NOT done.

**Alt SAMMS** SAMMS number of Alternate Facility Type.

Alt Type Alternate Facility Type. Trail lies on a feature such as a

levee, dam, administrative road or bridge, which has a

separate SAMMS number.

**AvgGrade** The average grade of the trail (%). The average of five

measurements for trails less than two miles and ten measurements for trails equal to or greater than 2 miles.

**AvgSlope** The average cross-slope of the trail (%). The average of

five measurements for trails less than two miles and ten measurements for trails equal to or greater than 2 miles.

**Check Dam** A small dam constructed across a drainage ditch, swale,

or channel to lower the speed of concentrated flows.

**Condition** Subjective rating of trail based on Facility Condition

Index (FCI):

FCI </= - .01 = Excellent FCI .02 - .05 = Good FCI .06 - .10 = Fair FCI .11 - .20 = Poor FCI > - .20 = Failed

**Crib Wall** Retaining wall.

Current

Replacement Value

(CRV)

The value of an asset determined by the estimated cost of

replacing it.

**Def type** Deficiency Type: Trail Structure, Drainage, Erosion,

Obstacle, Trail Location, Other.

Deferred

**Maintenance (DM)** 

Maintenance that was not performed when scheduled.

i

**Elem ID** Unique identifier for each trail section: Org Code-Trail

Number-Section Number.

**Facility** 

**Condition Index (FCI)** 

DM/CRV

**Grouped Features** Grouped features include non-unique signs (mileposts,

interpretive signs, species identification, etc.), water bars, check dams, steps, drain and drainage dips. For any given grouped feature, a GPS point and photo are taken for the first occurrence only and the total number of features in the group are entered into the "quantity"

field of the data dictionary.

**Info Type** Type of accessibility information available at trailhead:

brochure, sign or other.

**Item** Item on which the "Action" (see above) will be

performed.

Manage\_Use Managed use of the trail: HIKE, BIKE, NSPC (non-

specified), PACK, POR (portage), SNOWSHOE, XSKI

(cross-country ski), OTHER.

**MP** Distance of a trail feature or deficiency from the

Trailhead.

**Puncheon** Log footbridge used in area of poor drainage.

Raised Trail Structure Boardwalk, Turnpike, Puncheon.

**T Class** Trail Class: I-V (see Appendix? for trail class

descriptions).

**Tr Desig** Trail Designation: Standard (Std), National Historic Trail

(NHT), National Recreation Trail (NRT), National

Scenic Trail (NST).

**Turnpike** Trail tread elevated with dirt, rock or other aggregate

from parallel side ditches and held in place by logs.